

8. Install the front cover (A, **Figure 49**) over the armature shaft. Align the marks on the front cover with the case (B, **Figure 49**).

9. Apply blue Loctite (No. 242) onto the case screw threads and install the screws, washers and lock-washers. Tighten the screws securely.

10. Replace the front cover O-ring seal (A, **Figure 50**) if deteriorated or damaged. Apply clean engine oil to the O-ring.

11. Clean the cover mounting lugs (B, **Figure 50**) of all dirt and other contaminants as they act as the ground for the starter motor.

STARTER SOLENOID

Testing

1. Remove the seat.
2. Shift the transmission to NEUTRAL.
3. Remove the bolts (A, **Figure 51**) and remove the battery box cover (B, **Figure 51**).
4. Turn the ignition switch ON.
5. Press the START button. The solenoid should click. If it does not click, proceed to Step 6.
6. Disconnect the solenoid 2-pin mini electrical connector (**Figure 52**).
7. Connect a 0-15 DC voltmeter between the yellow/red (+) and the green/red (-) terminals on the harness side of the mini electrical connector.
8. With the transmission still in NEUTRAL, have an assistant press the start button. There should be battery voltage indicated. If there isn't, proceed to Step 9.
9. Remove the starter solenoid as described in this chapter.
10. Connect a fully charged 12 volt battery to the electrical connector terminals.
11. Connect an ohmmeter between the positive and negative terminals on top of the solenoid and check for continuity. If there is continuity (low resistance) the solenoid is okay. If there is no continuity (infinite resistance), the solenoid is faulty and must be replaced.
12. If the starter solenoid is okay, reinstall the solenoid as described in this chapter, then reconnect the mini electrical connector.
13. Install all items removed.

Removal/Installation

1. Remove the seat.
2. Remove the bolts (A, **Figure 51**) and remove the battery box cover (B, **Figure 51**).
3. Disconnect the battery negative lead (**Figure 53**).
4. The starter solenoid is located on the left-hand side of the battery.

NOTE

Figure 54 is shown with the battery removed for clarity. It is not necessary to remove the battery for this procedure.

5. Slide off the rubber protective boot (A, **Figure 54**) and disconnect the electrical wires (B, **Figure 54**) from the top terminals of the solenoid.
6. Remove the solenoid from the rubber mount on the frame.
7. Replace by reversing these removal steps while noting the following:
 - a. Install both electrical wires on the solenoid and tighten the nuts securely.
 - b. Make sure the electrical connectors are on tight and that the rubber boot is properly installed to keep out moisture.
8. Install all items removed.

LIGHTING SYSTEM

The lighting system consists of a headlight, tail-light, stoplight on 1991-on models and indicator lights. **Table 3** lists replacement bulbs for these components.

Always use the correct wattage bulb as indicated in this section. The use of a larger wattage bulb will give a dim light and a smaller wattage bulb will burn out prematurely.

Headlight Bulb Replacement

Refer to **Figure 55** for this procedure.

NOTE

This procedure is shown with the front fender removed for clarity. It is not necessary to remove the front fender or the grille for headlight bulb replacement.

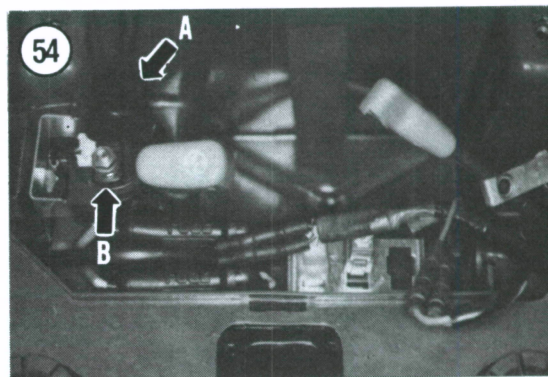
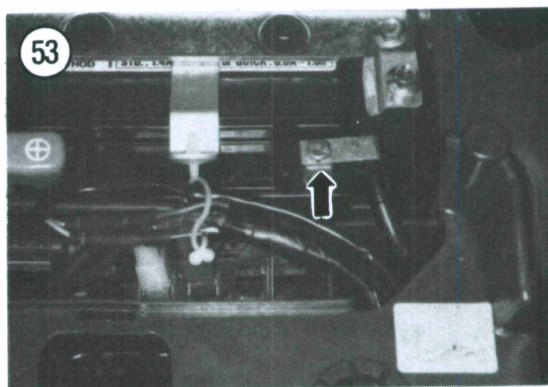
1. Working under the front grille, remove the screws (A, **Figure 56**) securing the headlight case cover and remove the case cover (B, **Figure 56**).

2. Remove the rubber dust cover (**Figure 57**).
3. Remove the bulb socket (**Figure 58**) from the backside of the headlight lens unit.
4. Remove the bulb (**Figure 59**) from the backside of the headlight lens unit.
5. Align the new bulb tab with the groove in the headlight lens unit and install the new bulb.
6. Install the socket and the dust cover with the TOP mark facing up and push the cover into place.
7. Install the headlight case cover and tighten the screws securely.

Headlight Lens Unit Removal/Installation

Refer to **Figure 60** for this procedure.

1. Remove the headlight bulb as described in this chapter.
2. Working under the front fender and front grille, remove the center screw (A, **Figure 61**) and both side screws.
3. Unhook the headlight electrical wires from the clips (B, **Figure 61**).
4. Remove the 2 side screws (C, **Figure 61**).



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